

Replacement Sheet

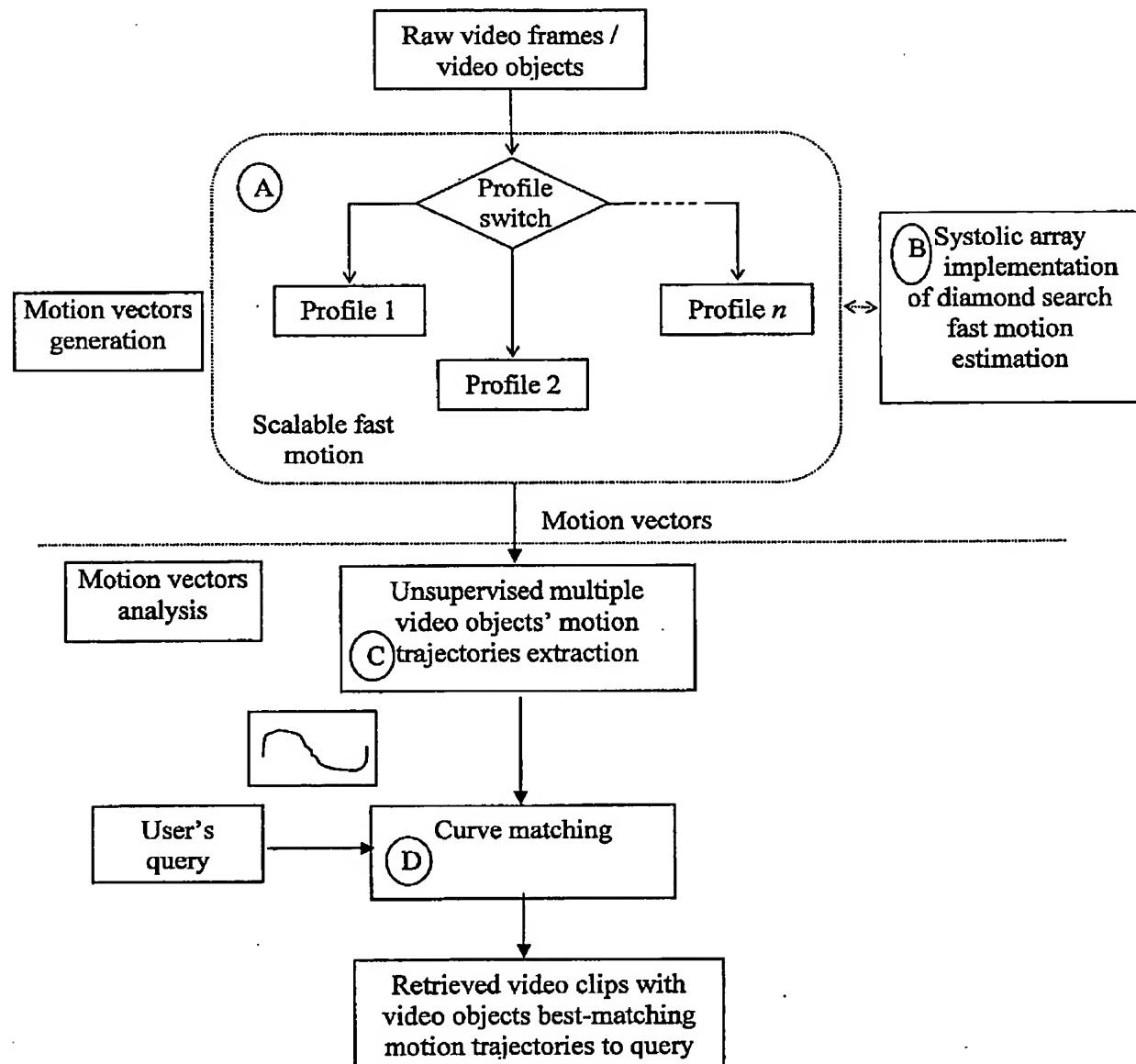


Fig. 1

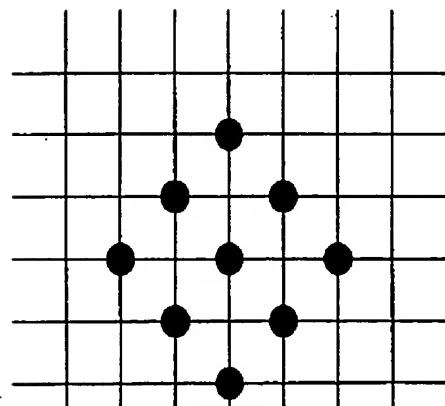
Replacement Sheet

Fig. 2(a)

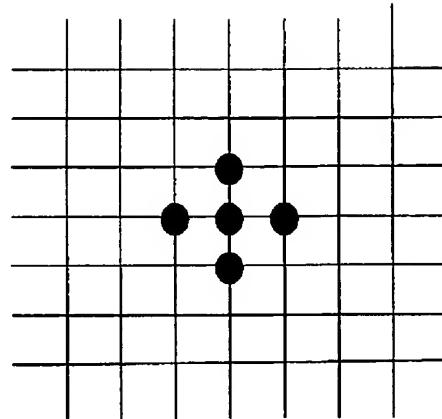


Fig. 2 (b)

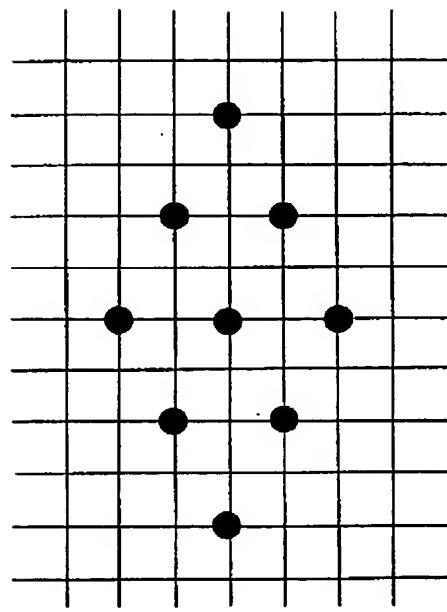


Fig. 3(a)

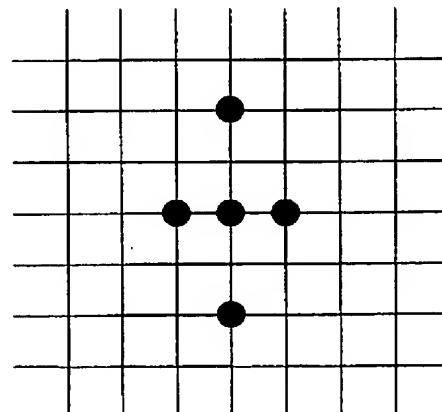


Fig. 3(b)

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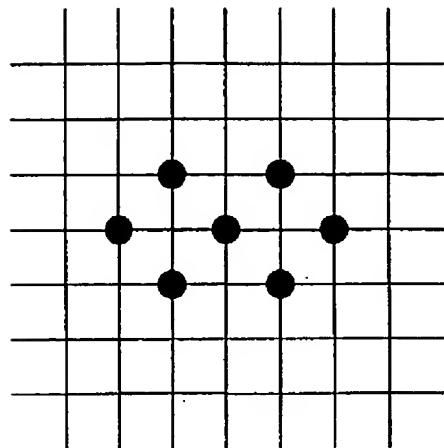


Fig.4 (a)

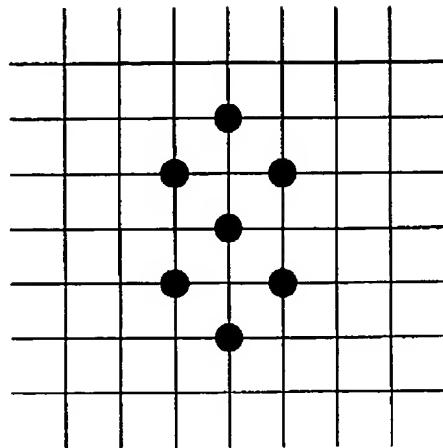


Fig.4(b)

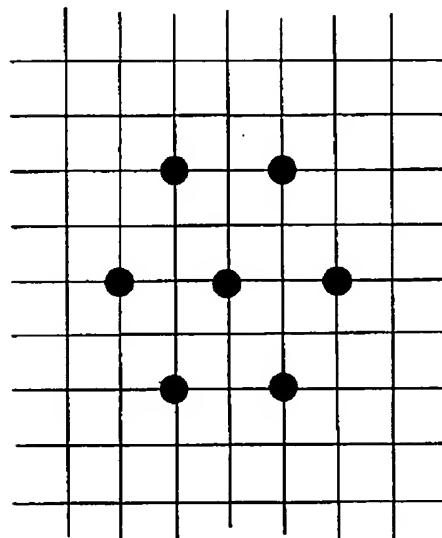


Fig. 4(c)

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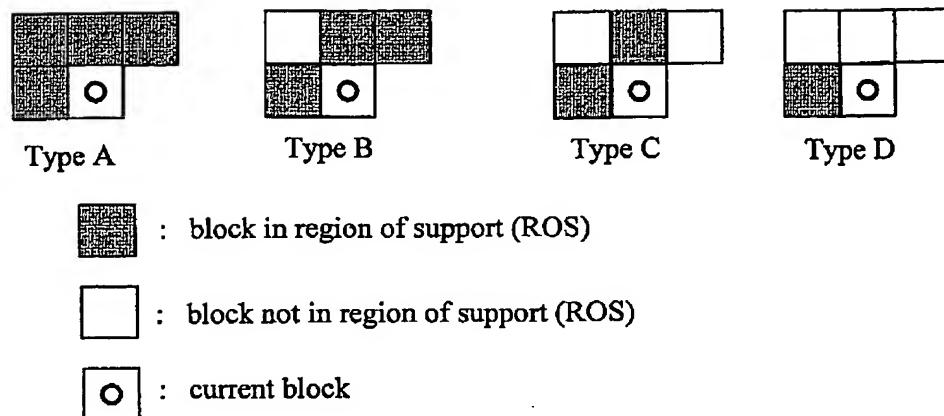


Fig. 5

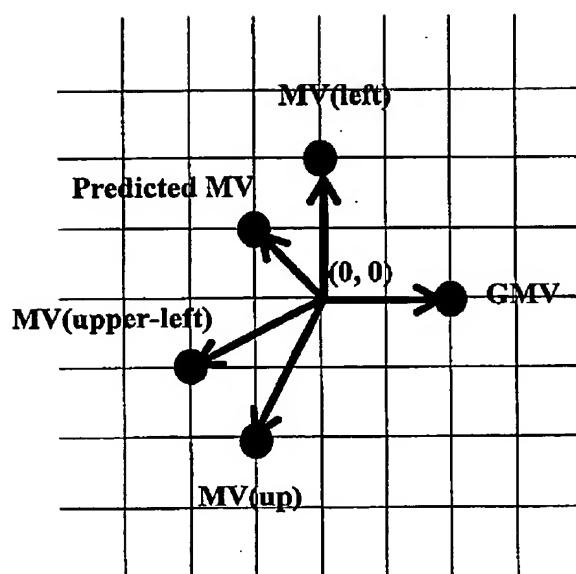


Fig. 6(a)

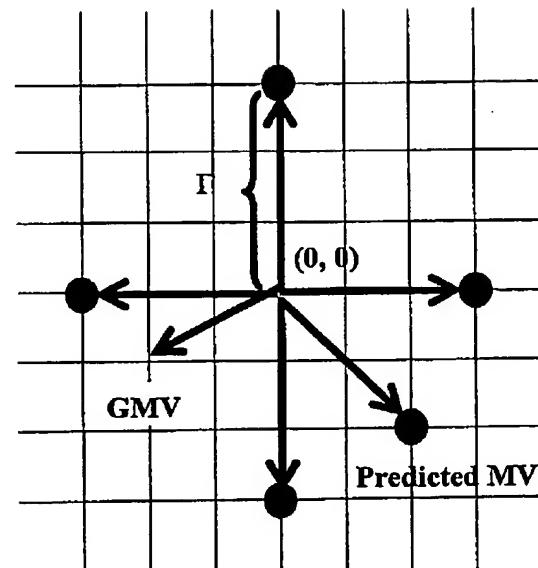
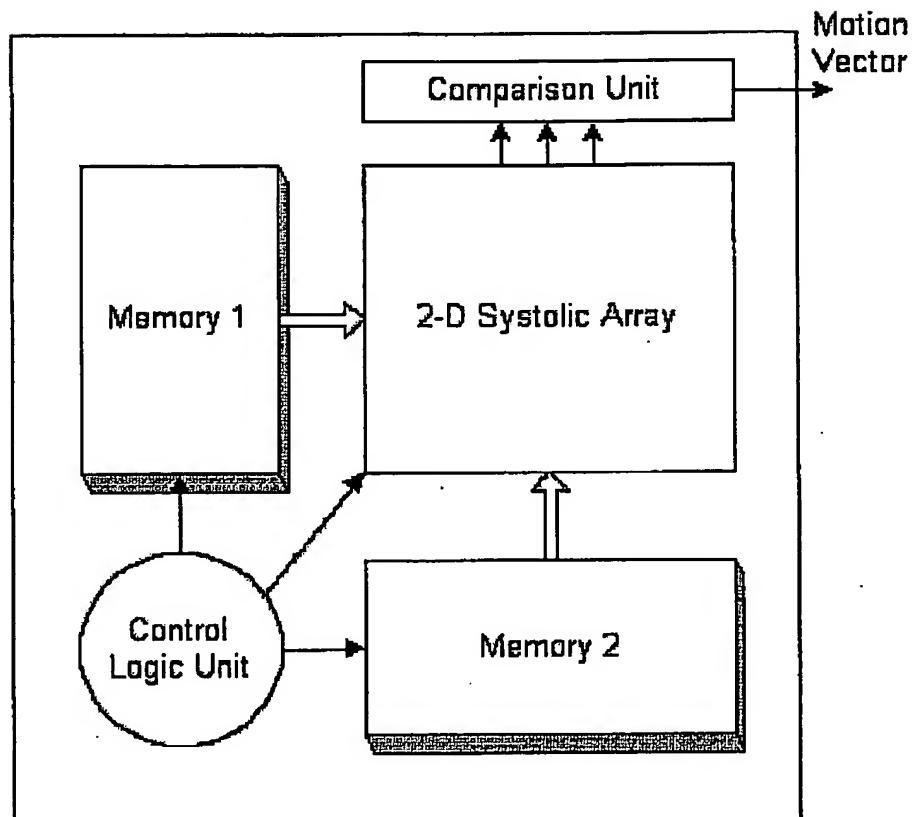


Fig. 6(b)

Replacement Sheet**Fig. 7**

Replacement Sheet

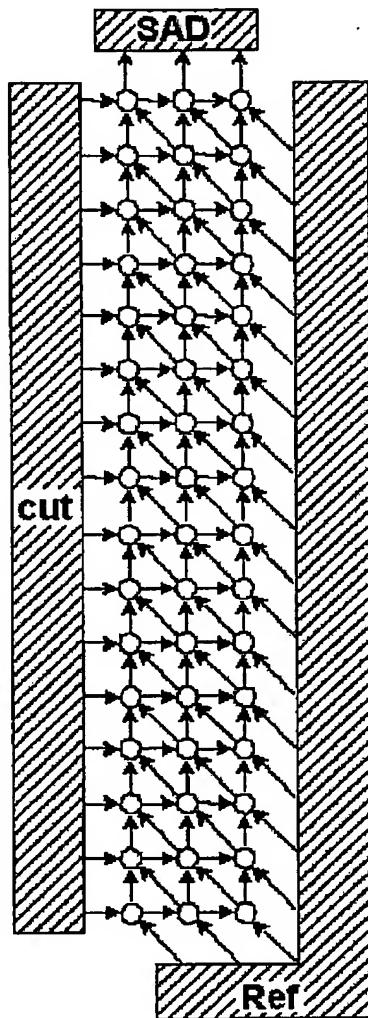


Fig. 8

Replacement Sheet

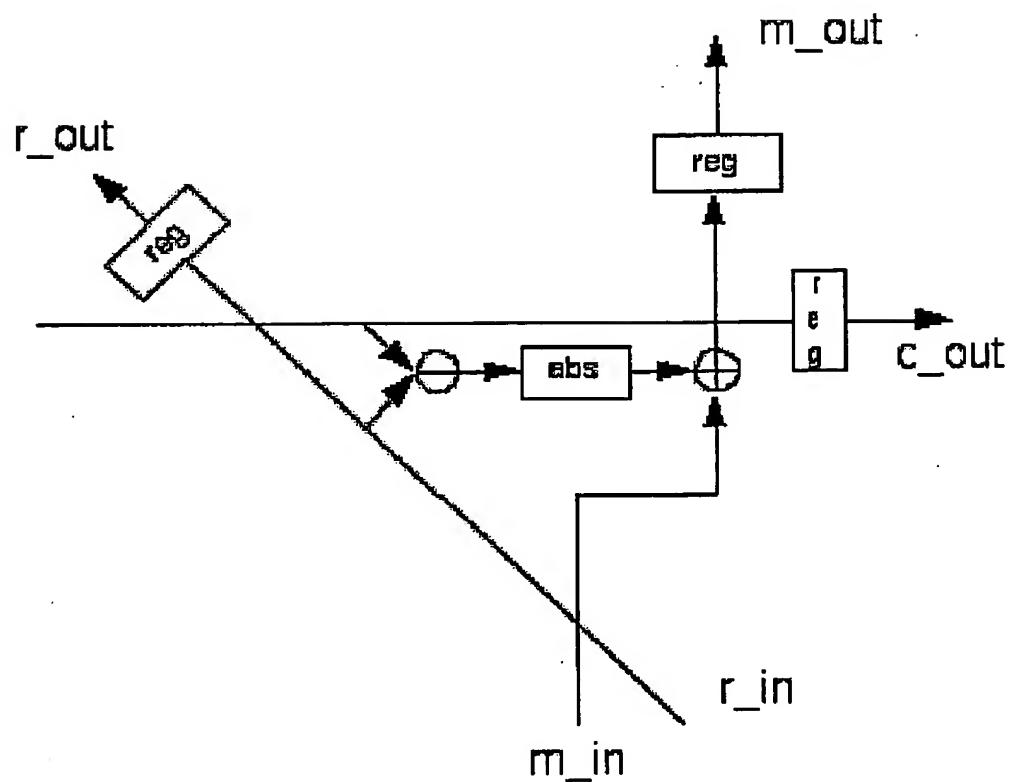


Fig. 9

REPLACEMENT SHEET

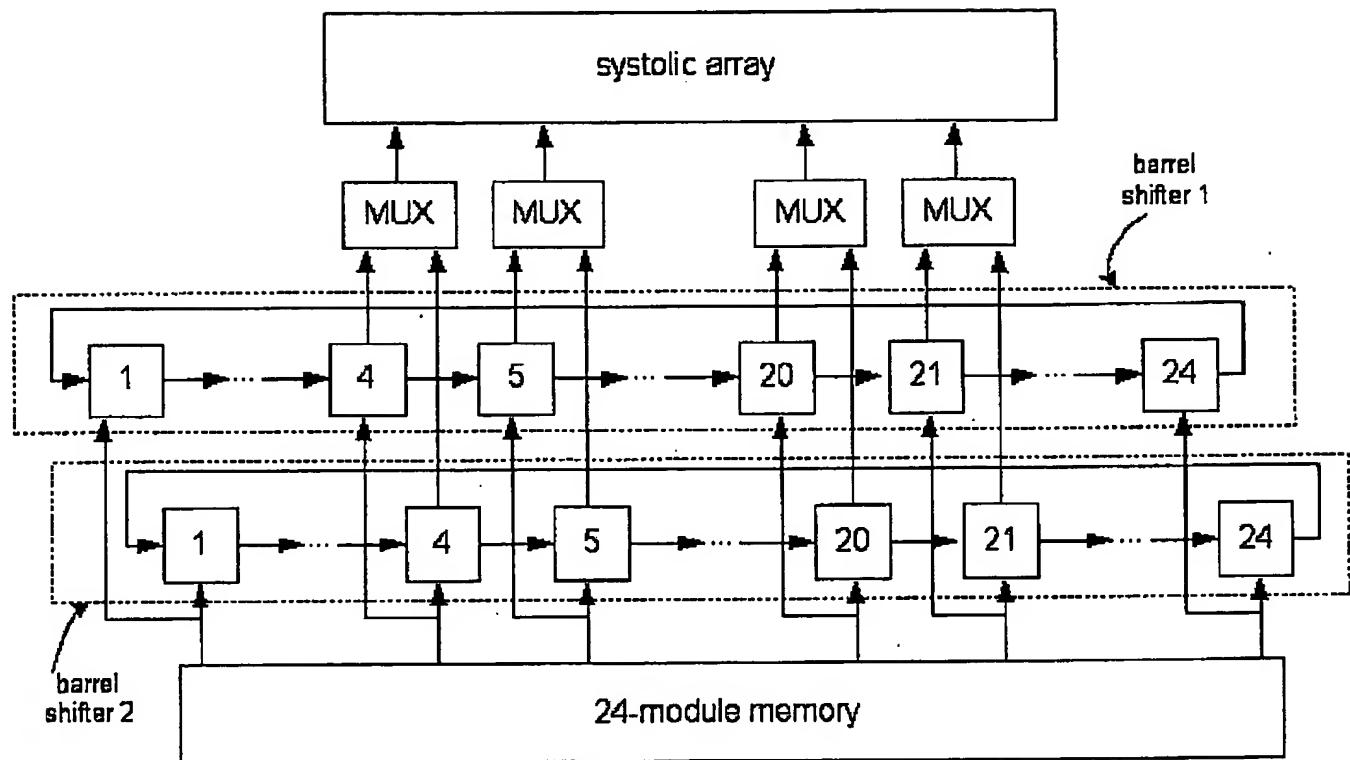


Fig. 10

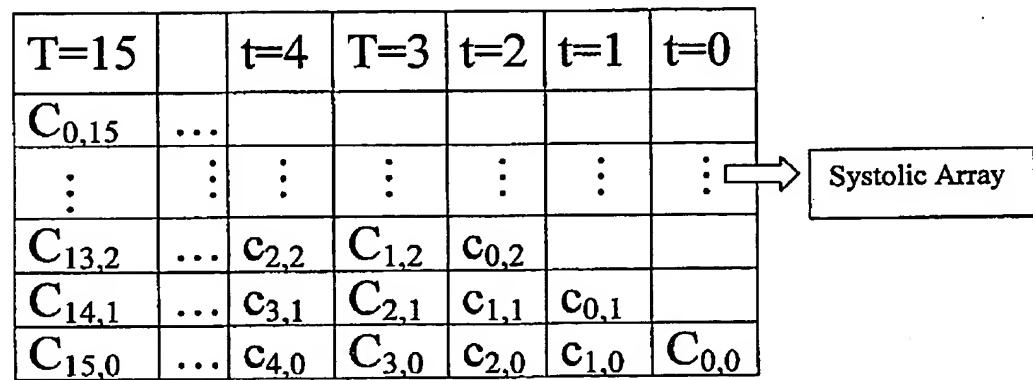


Fig. 11(a)

Replacement Sheet

Systolic Array											
↑											
	$t=0$	$R_{0,0}$	$r_{0,1}$	$r_{0,2}$	$r_{0,3}$	...	...	$r_{0,15}$	*	*	
	$t=1$	$R_{1,0}$	$r_{1,1}$	$r_{1,2}$	$r_{1,3}$	...	...	$r_{1,15}$	$r_{1,16}$	*	
	$t=2$	$R_{2,0}$	$r_{2,1}$	$r_{2,2}$	$r_{2,3}$	...	...	$r_{2,15}$	$r_{2,16}$	$r_{2,17}$	
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	
	$t=15$	$r_{15,0}$	$r_{15,1}$	$r_{15,2}$	$r_{15,3}$	...	...	$r_{15,15}$	$r_{15,16}$	$r_{15,17}$	
<i>slot 1</i>	$t=16$	*	$r_{16,1}$	$r_{16,2}$	$r_{16,3}$	...	...	$r_{16,15}$	$r_{16,16}$	$r_{16,17}$	
<i>slot 2</i>	$t=17$	*	*	$r_{17,2}$	$r_{17,3}$	...	...	$r_{17,15}$	$r_{17,16}$	$r_{17,17}$	
	$t=18$	$r_{1,-1}$	$r_{1,0}$	$r_{1,1}$	$r_{1,2}$	...	...	$r_{1,14}$	*	*	
	$t=19$	$r_{2,-1}$	$r_{2,0}$	$r_{2,1}$	$r_{2,2}$	...	...	$r_{2,14}$	$r_{2,15}$	*	
	$t=20$	$r_{3,-1}$	$r_{3,0}$	$r_{3,1}$	$r_{3,2}$	...	...	$r_{3,14}$	$r_{3,15}$	$r_{3,16}$	
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	
	$t=33$	$r_{16,-1}$	$r_{16,0}$	$r_{16,1}$	$r_{16,2}$	...	...	$r_{16,14}$	$r_{16,15}$	$r_{16,16}$	
<i>slot 1</i>	$t=34$	*	$r_{17,0}$	$r_{17,1}$	$r_{17,2}$	...	...	$r_{17,14}$	$r_{17,15}$	$r_{17,16}$	
<i>slot 2</i>	$t=35$	*	*	$r_{18,1}$	$r_{18,2}$	...	...	$r_{18,14}$	$r_{18,15}$	$r_{18,16}$	
	$t=36$	$r_{2,-2}$	$r_{2,-1}$	$r_{2,0}$	$r_{2,1}$	...	...	$r_{2,13}$	*	*	
	$t=37$	$r_{3,-2}$	$r_{3,-1}$	$r_{3,0}$	$r_{3,1}$	...	...	$r_{3,13}$	$r_{3,14}$	*	
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	

Fig. 11(b)

Replacement Sheet

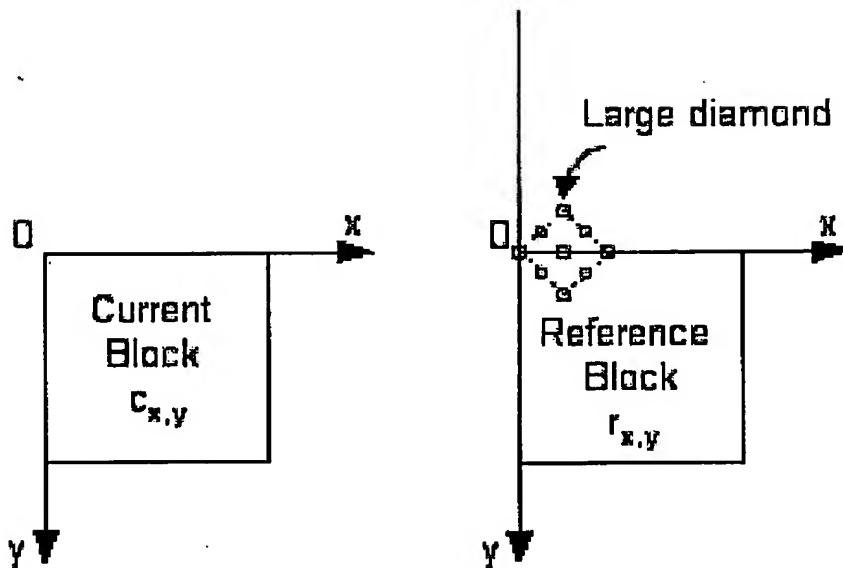


Fig. 12(a)

Fig. 12(b)

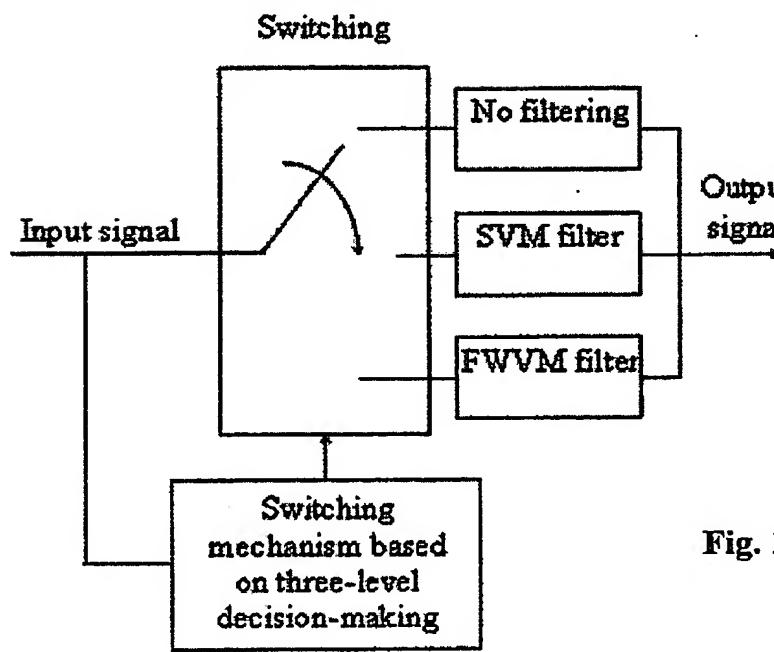
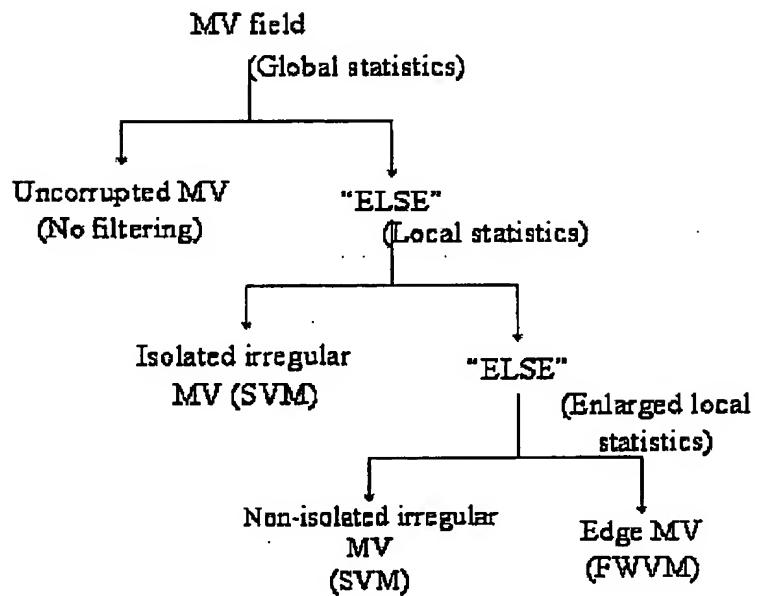


Fig. 13(a)

Replacement Sheet**Fig. 13(b)**

Replacement Sheet

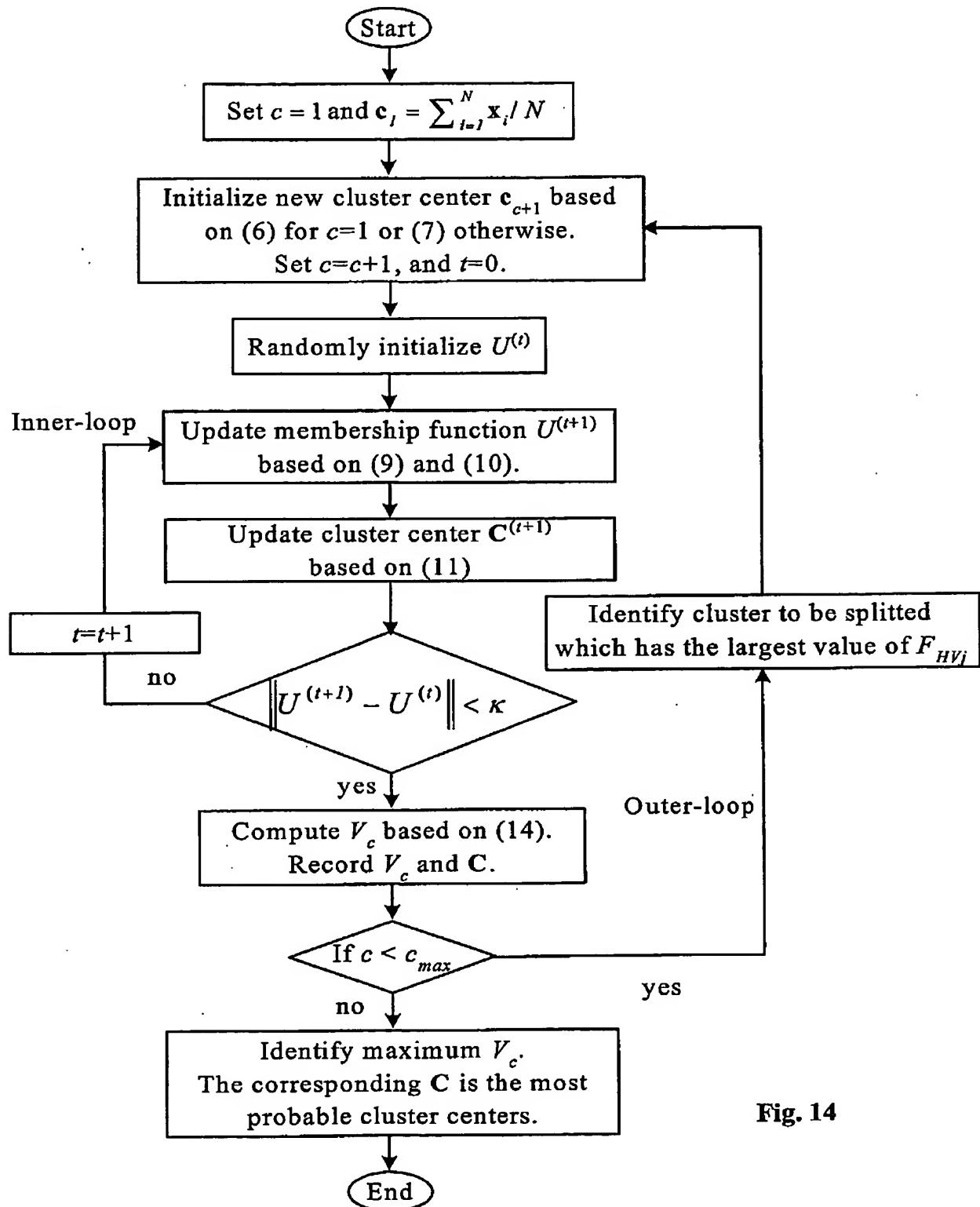


Fig. 14

Replacement Sheet

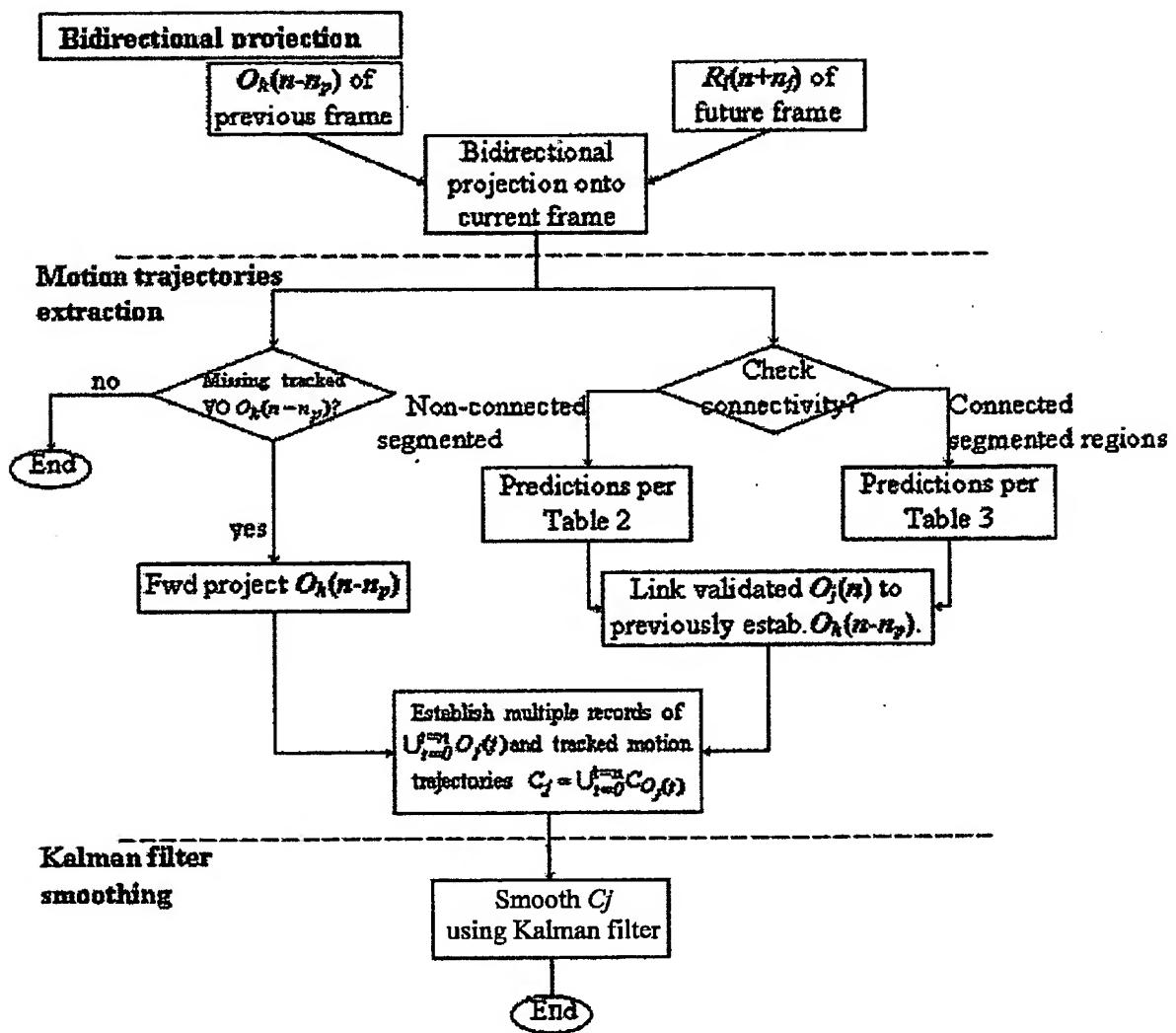


Fig. 15